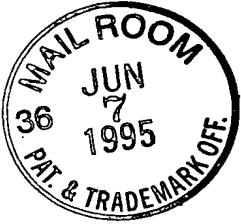08/480618

DATA STORAGE OPTIMIZATION METHOD

ABSTRACT

Method and apparatus for optimizing file structures stored on a memory device operatively associated with a computer. Particularly suited to optimizing individual resources within a given file to minimize seek and access time of the storage device, the present invention significantly improves execution speed of computer programs stored on CD-ROM disks. A resource optimizer first lists each resource of a given file as it is accessed, thereby forming a sequential listing of the several resources in order accessed. This list is then appended to the file. A resource arranger is then run which accesses the sequential listing and re-writes the file in access order. As the rewritten files are in resource access order, they improve the execution speed of the application program.